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 TI A method of reducing **carbon** levels in **fly ash**
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 PA EMR Microwave Technology Corporation, Can.
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AB There is disclosed a method of reducing **carbon** levels in **fly ash**. The method comprises the steps of: (a) placing the **fly ash** in a microwave reactor; (b) exposing said **fly ash** to microwave radiation in the presence of **carbon**-free material such as coarsely ground MnO₂ so as to raise its temp. to at least 600 .degree.C while agitating the **fly ash** in the presence of oxygen; and; (c) terminating exposure of said **fly ash** to said microwave radiation when the **carbon** content of the **fly ash** has fallen below a predetd. value. The method of the present invention is also useful in depleting ammonia from **fly ash**. While the method will typically be carried out on **fly ash** contg. both **carbon** and ammonia, the method is also useful in treating samples contg. only one of these two materials.
 ST **carbon** ammonia removal **fly ash** fluidized bed microwave reactor